

FIG. 1.

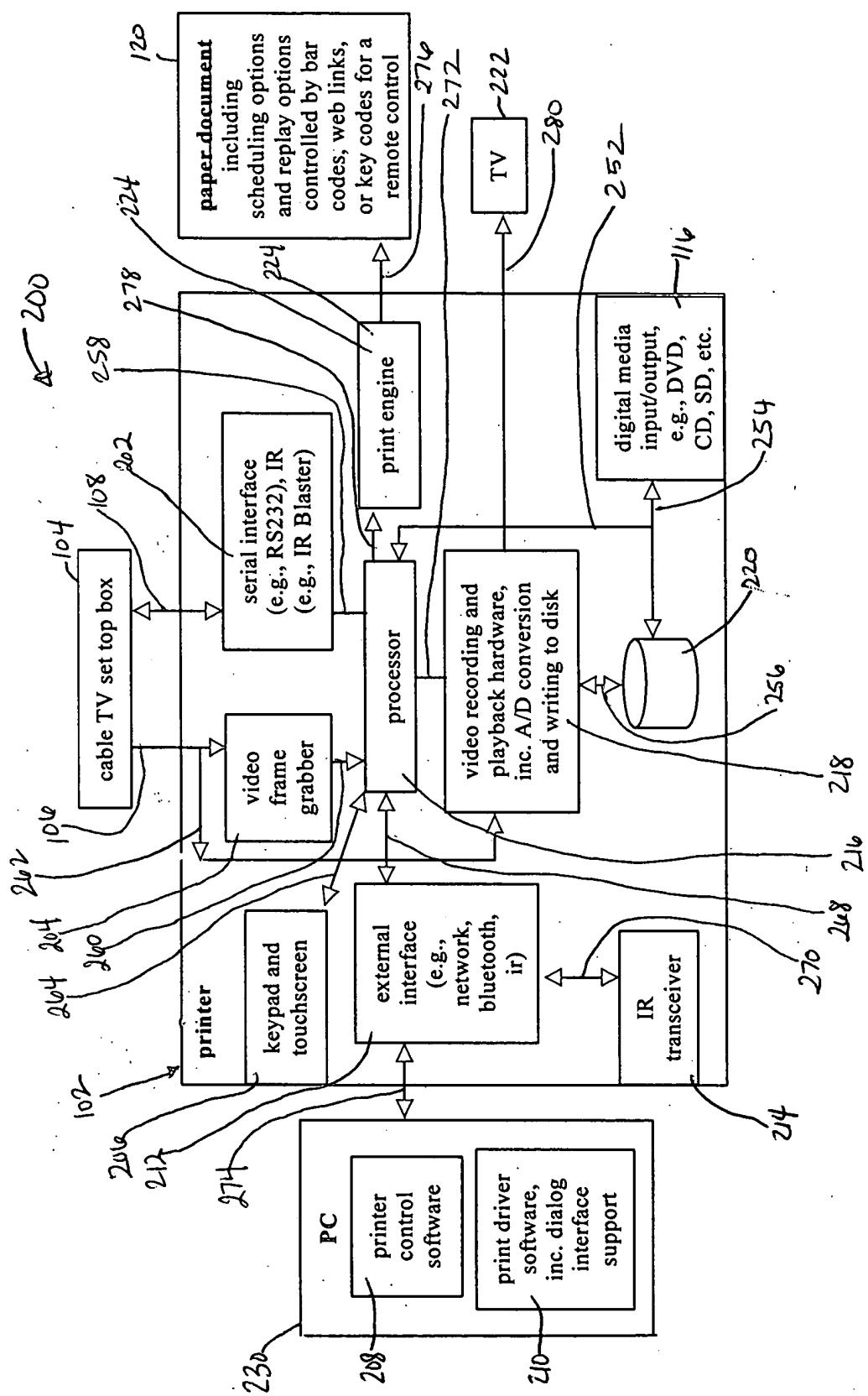


FIG. 2

300

<RICOH-VIDEO-RECORDER-PRINTER-AFICIO-6534VR>

```
<CHANNELS>
  <SCHEDULE-CHANNEL>028</SCHEDULE-CHANNEL>
  ...
</CHANNELS>

<SCHEDULE_UPDATE_TIME>0200 GMT daily</SCHEDULE-UPDATE-TIME>

<COMMAND-SYNTAX>
  <CHANGE-CHANNEL>#32</CHANGE-CHANNEL>
  <SCHEDULE-FORWARD>#45</SCHEDULE-FORWARD>
  <SCHEDULE-BACKWARD>#46</SCHEDULE-BACKWARD>
  <CHANNEL-FORWARD>#22</CHANNEL-FORWARD>
  <CHANNEL-BACKWARD>#23</CHANNEL-BACKWARD>
  ...
</COMMAND-SYNTAX>

<LAYOUT-DESCRIPTION>
  <SCHEDULE-CHANNEL>
    <DIMS><X>0</X><Y>0</Y><WIDE>640</WIDE><HI>480</HI></DIMS>
    <BEGIN_N><X>320</X><Y>50</Y><WIDE>50</WIDE><HI>20</HI></BEGIN_N>
    <END_N><X>390</X><Y>50</Y><WIDE>50</WIDE><HI>20</HI></END_N>
    <NO_N><X>500</X><Y>60</Y><WIDE>40</WIDE><HI>20</HI></NO_N>
    <ID_N><X>540</X><Y>60</Y><WIDE>40</WIDE><HI>20</HI></ID_N>
    <PROG_DESC><X>320</X><Y>100</Y><WIDE>280</WIDE><HI>80</HI></PROG_DESC>
    <TIME1><X>150</X><Y>200</Y><WIDE>80</WIDE><HI>20</HI></TIME1>
    <TIME2><X>280</X><Y>200</Y><WIDE>80</WIDE><HI>20</HI></TIME2>
    <TIME3><X>400</X><Y>200</Y><WIDE>80</WIDE><HI>20</HI></TIME3>
    <NO_1><X>60</X><Y>230</Y><WIDE>40</WIDE><HI>30</HI></NO_1>
    <ID_1><X>0</X><Y>230</Y><WIDE>40</WIDE><HI>30</HI></ID_1>
    <PROGS_1><X>0</X><Y>230</Y><WIDE>350</WIDE><HI>30</HI></PROGS_1>
    ...
  </SCHEDULE-CHANNEL>
</LAYOUT-DESCRIPTION>

</RICOH-VIDEO-RECORDER-PRINTER-AFICIO-6534VR>
```

FIG. 3

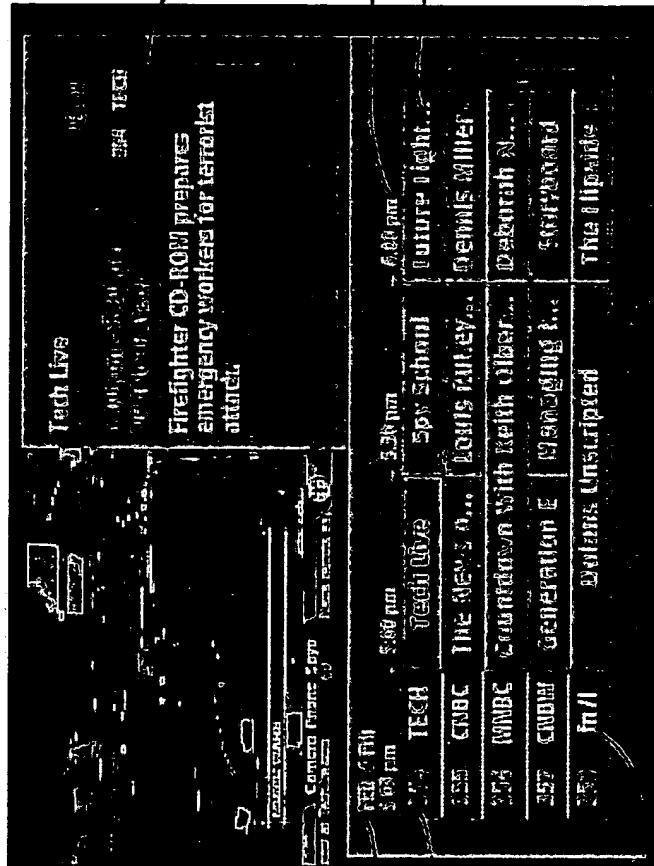


FIG. 4a

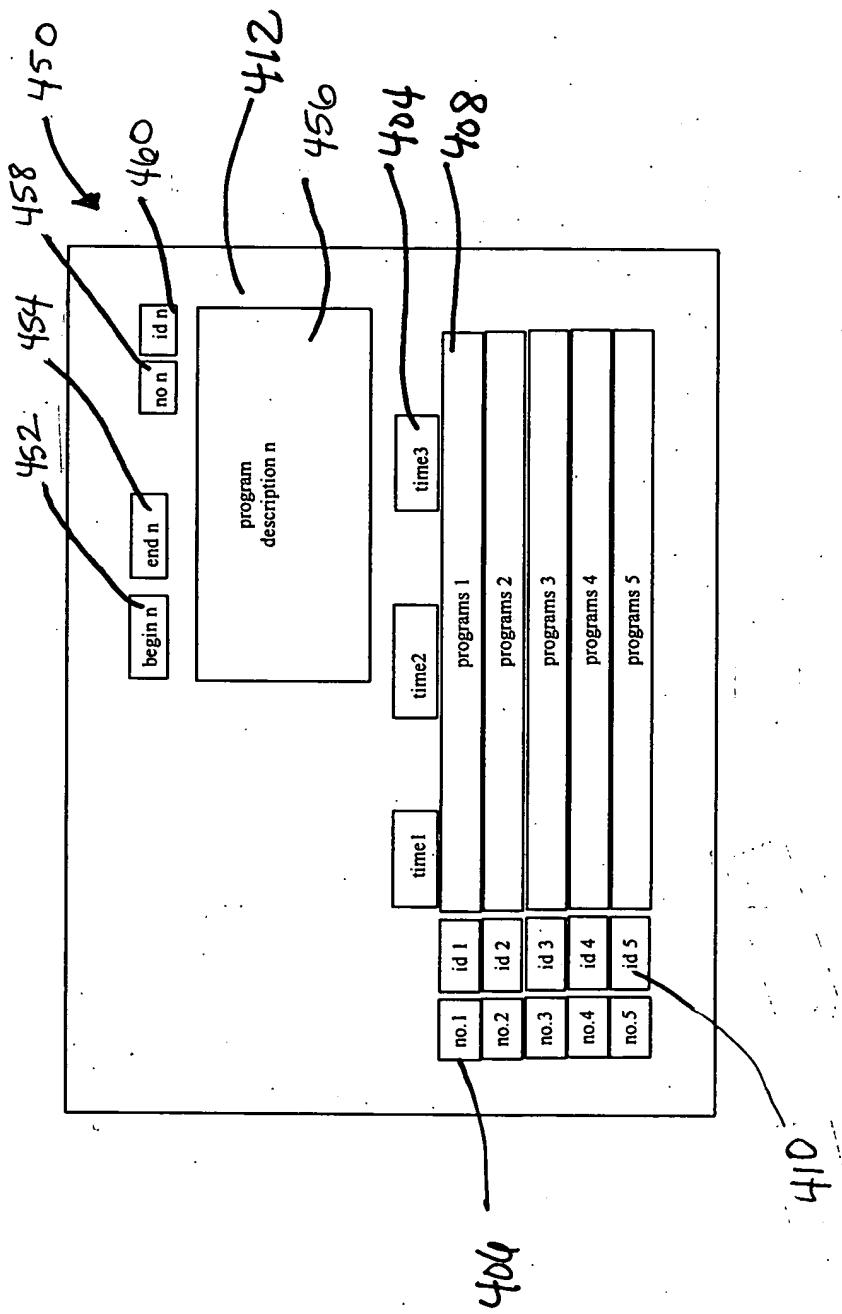


FIG. 4b

channel	id	begin time	end time	title	description
354	TECH	5:00 pm	5:30 pm	Tech Live	Firefighter CD...
354	TECH	5:30 pm	6:00 pm	Spy School	...
354	TECH	6:00 pm	7:00 pm	Future Light	...
355	CNBC	5:00 pm	5:30 pm	The News	...
355	CNBC	5:30 pm	6:00 pm	Louis Rukeyser	...
355	CNBC	6:00 pm	7:00 pm	Dennis Miller	...
356	MNBC	5:00 pm	6:00 pm	Countdown with Keith	...
356	MNBC	6:00 pm	7:00 pm	Deborah Norville	...
357	CNBW	5:00 pm	5:30 pm	Generation E	...
357	CNBW	5:30 pm	6:00 pm	Managing I	...
357	CNBW	6:00 pm	6:30 pm	Storyboard	...
358	fn/l	5:00 pm	6:00 pm	Dolans Unscripted	...
358	fn/l	6:00 pm	7:00 pm	The Flipside	...

FIG. 5

update schedule command

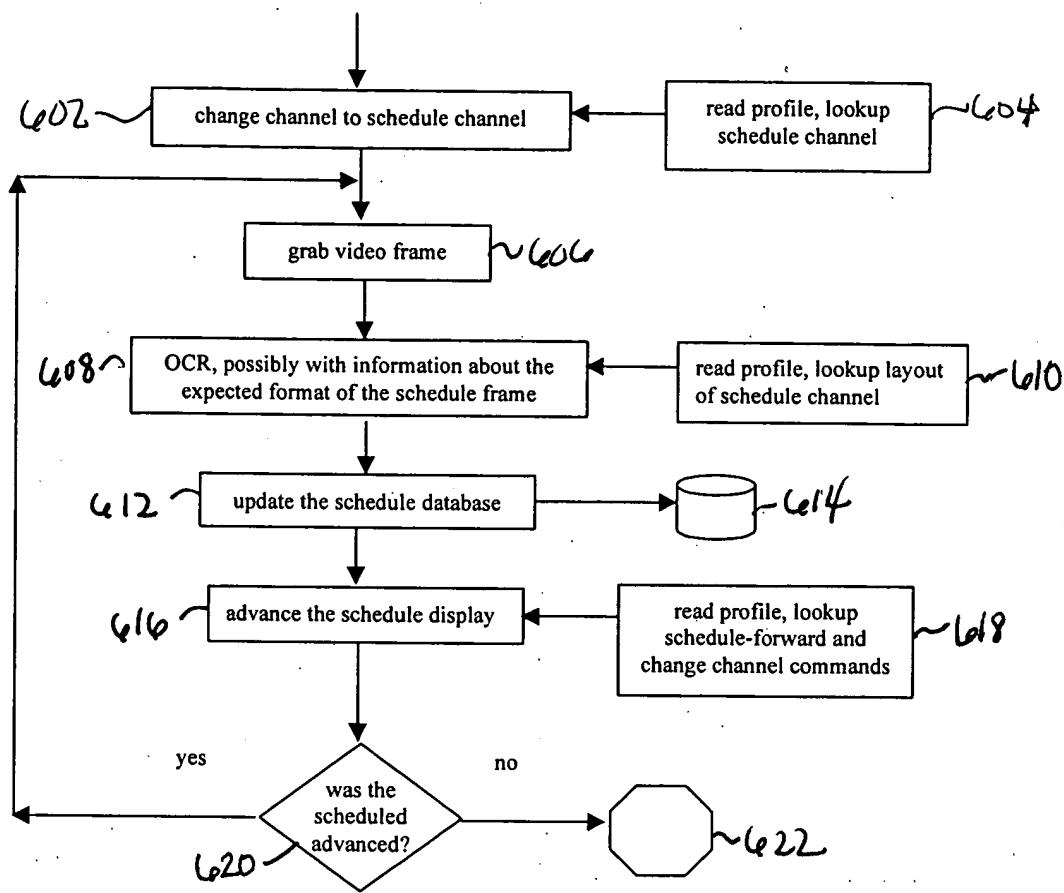


FIG. 6

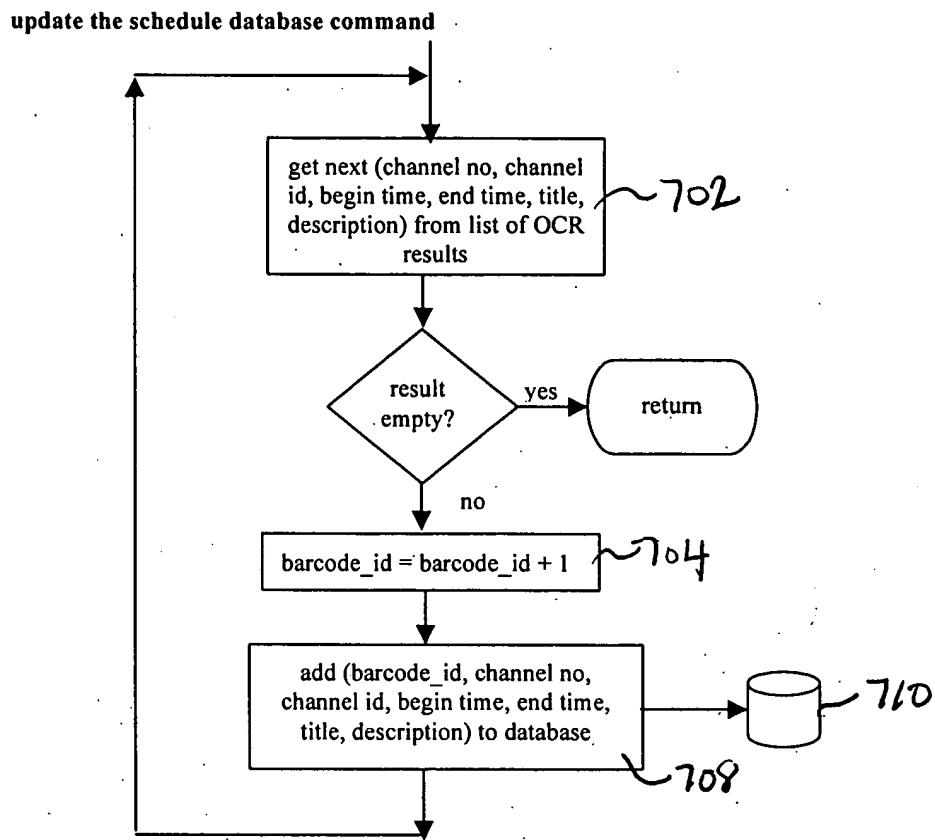


FIG. 7

advance the schedule display command

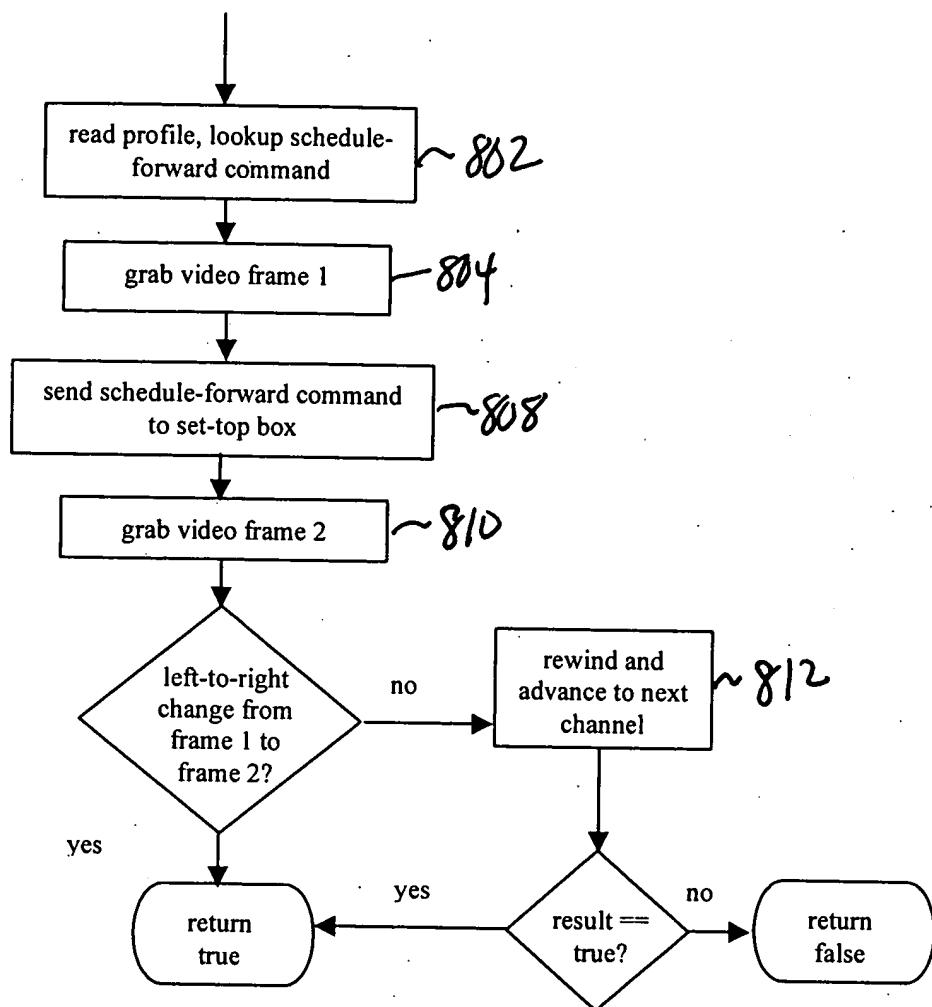


FIG. 8

rewind and advance to  
the next channel

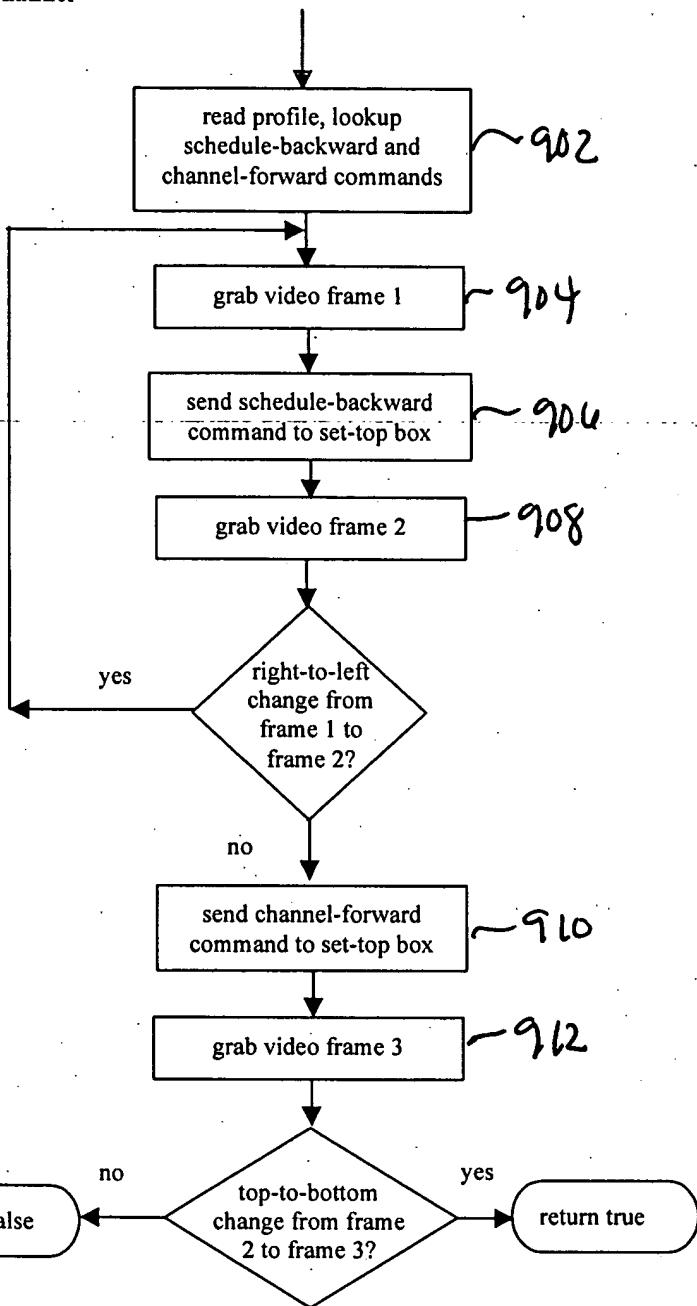


FIG. 9

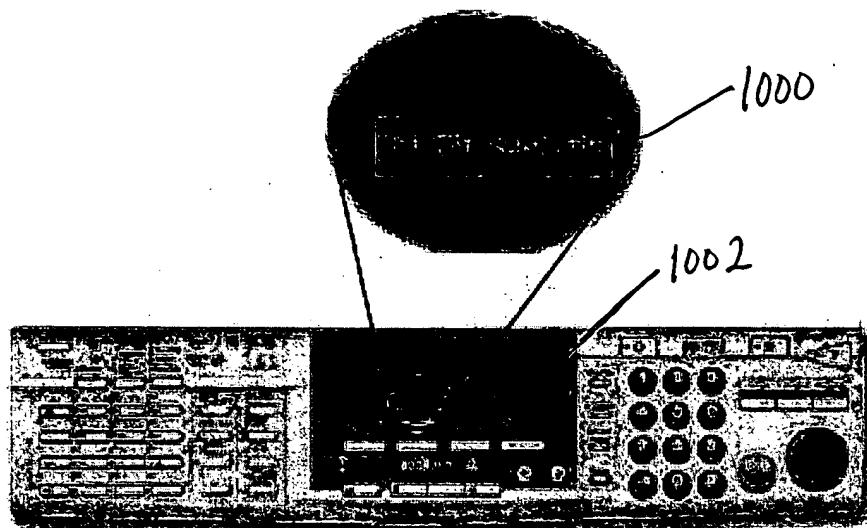


FIG. 10

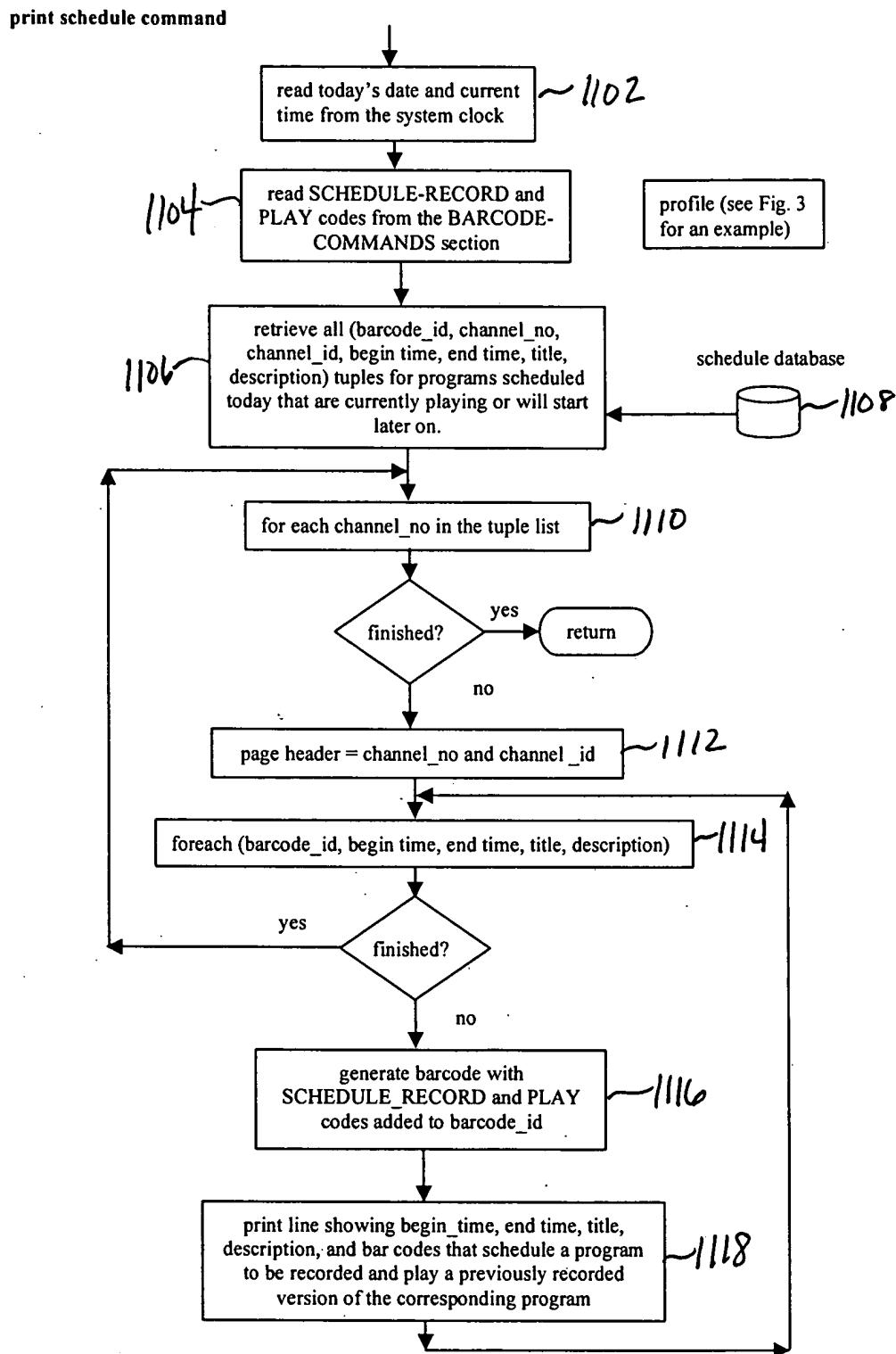


FIG 11

Schedule for Feb 10, 2004  
TECH TV

start	end	title	description	schedule recording	play
5:00 PM	5:30 PM	Tech Live	Firefighter CD ...	 #3512	 #3513
5:30 PM	6:00 PM	Spy School	...	 #3514	 #3515
6:00 PM	7:00 PM	Future Light	...	 #3516	 #3517
7:00 PM	8:00 PM	Gadget World	...	 #3518	 #3519
8:00 PM	9:00 PM	Linux Live	...	 #3520	 #3521
9:00 PM	10:00 PM	Windows Rocks	...	 #3522	 #3523
10:00 PM	11:00 PM	.NET Rules	...	 #3524	 #3525
11:00 PM	12:00 AM	News for Nerds	...	 #3526	 #3527
12:00 PM	1:00 AM	After Dark Online	...	 #3528	 #3529

Ricoh Aficio 6534VR      page 1 of 12

FIG. 12